

Richmond Refinery LPS Alert – Safety Electrical Shock



Impact ERM: 36499

Location: PG&E overhead line near DWOP pump station

Contact Information:

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Boom truck that was removing pole tops from the ground.



Energized uninsulated overhead power lines which electrified the boom truck.

Always remember to do your LPSA – because we care about you!

Incident Description:

The task being conducted during the incident involved the pole topping of an existing pole line for Tie Line 11&12 at Pole 4038. While loading topped pole pieces from the ground to a truck for transport, the crane operator boomed the crane up close to the existing PG&E 12 KV energized overhead lines, which were uninsulated. When the crane got too close to the uninsulated power lines, the electricity energized the crane. The injured worker became the path to ground due to his proximity to the crane resulting in electricity entering his body through his hand and exiting out his foot.

Immediate Actions Taken:

1. The employee's supervisor and Chevron representative were immediately notified.
2. Chevron Fire Department treated the injury in the field.
3. Contractor was transported to an off-site facility for follow-up care.
4. An incident investigation was initiated.

Considerations:

1. Always conduct an LPSA, even on routine work activities so that potential risks can be identified and then take action to either eliminate such risks and/or minimize the potential of such risks to avoid potential incidents.
2. When operating mobile equipment near uninsulated energized conductors, consult Refinery Instruction RI-389: Electrical Safe Work Practices for clearance requirements.
3. When you are assigned a task, do you make a conscious effort to recognize the potential risks of a task by doing a thorough LPSA (e.g., by identifying overhead lines and/or the line of fire)?

LOSS PREVENTION SELF-ASSESSMENT

BEFORE BEGINNING ANY ACTIVITY/TASK/JOB, AFTER A LOSS OR NEAR LOSS, ANY UNUSUAL CIRCUMSTANCES:



ASSESS the risk!

What could go wrong?

What is the worst thing that could happen if something does go wrong?

ANALYZE how to reduce the risk!

Do I have all the necessary Training and Knowledge to do this job properly?

Do I have all the proper Tools and Personal Protective Equipment?

ACT to ensure loss-free operations!

Take necessary Action to ensure the job is done properly!

Follow written procedures! Ask for assistance, if needed!

DO NOT PROCEED UNLESS ALL RISKS HAVE BEEN ADDRESSED!

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